

**ABSTRACT**

An acoustic blanket system for use in attenuating acoustic energy. The acoustic blanket system including an acoustic blanket and apparatus for mounting the acoustic blanket to a structure. The acoustic blanket includes first and second cover materials heat-sealed around at least a portion of their perimeter. At least one acoustic attenuating panel is disposed within the heat-sealed cover materials to form a fully encapsulated acoustic blanket. The system for mounting the blanket includes a plurality of fastener assemblies that connect the blanket to a structure to define a tunable air gap of pre-determined dimension between the blanket and the structure. The mounting system also provides dimensional control of the blanket relative to the structure to control the air gap and prevent slumping and/or deformation during maximum loading environments.

10036238-10001